

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Jacques SCHRENZEL et al. : **Mail Stop: PCT**  
Serial No. NEW : Attorney Docket No. 2005\_0613A  
Filed April 8, 2005 :

ANALYTICAL CHIP WITH AN ARRAY OF  
IMMOBILIZED SPECIFIC RECOGNITION  
ELEMENTS FOR THE DETERMINATION OF  
CLINICALLY RELEVANT BACTERIA AND  
ANALYTICAL METHOD BASED THEREON  
[Corresponding to PCT/EP2003/010626  
Filed September 24, 2003]

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEE FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975.

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☐ each U.S. Patent and U.S. Patent application publication;
- ☒ each reference previously cited in the international application  
PCT/EP2003/010626; and/or
- ☐ each reference previously cited in prior parent application Serial No.  
\_\_\_\_\_.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification

after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
  - b. ☐ a foreign patent office search report (in the English language) submitted herewith,
  - c. ☐ the concise explanation contained in the specification of the present application at page,
  - d. ☐ the concise explanation set forth in the attached English language abstract,
  - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ An International Search Report citing one or more of the references is enclosed.

Respectfully submitted,

Jacques SCHRENZEL et al.

By Warren M. Cheek, Jr.  
Warren M. Cheek, Jr.  
Registration No. 33,367  
Attorney for Applicants

WMC/abm  
Washington, D.C. 20006-1021  
Telephone (202) 721-8200  
Facsimile (202) 721-8250  
April 8, 2005

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: April 8, 2005

ATTY DOCKET NO.  
2005\_0613AAL NO.  
NEW 101330910APPLICANT  
Jacques SCHRENZEL et al.FILING DATE  
April 8, 2005

GROUP

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|----------------------|----|--------------------|------|------|-------|----------|-------------------------------|
|                      | AA |                    |      |      |       |          |                               |
|                      | AB |                    |      |      |       |          |                               |
|                      | AC |                    |      |      |       |          |                               |
|                      | AD |                    |      |      |       |          |                               |
|                      | AE |                    |      |      |       |          |                               |
|                      | AF |                    |      |      |       |          |                               |
|                      | AG |                    |      |      |       |          |                               |
|                      | AH |                    |      |      |       |          |                               |
|                      | AI |                    |      |      |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT<br>NUMBER | DATE   | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES NO |
|--|----|--------------------|--------|---------|-------|----------|-----------------------|
|  | AJ | 02 059348          | 8/2002 | WO      |       |          |                       |
|  | AK |                    |        |         |       |          |                       |
|  | AL |                    |        |         |       |          |                       |
|  | AM |                    |        |         |       |          |                       |
|  | AN |                    |        |         |       |          |                       |

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |   |
|----|---|
| AO | Nelson, Bryce et al. "Label-free detection of 16S ribosomal RNA hybridization on reusable DNA arrays using surface plasmon resonance imaging." Environmental Microbiology. England. Vol. 4, no. 11, pages 735-743, November 2002. |
| AP | Nelson, Bryce et al. "Surface plasmon resonance imaging measurements of DNA and RNA hybridization adsorption onto DNA microarrays." Analytical Chemistry. United States. Vol. 73, no. 1, pages 1-7, January 2001.                 |
| AQ | Small, Jack et al. "Direct detection of 16S rRNA in soil extracts by using oligonucleotide microarrays." Applied and Environmental Microbiology. Vol. 67, no. 10, pages 4708-4716, October 2001.                                  |

EXAMINER

DATE CONSIDERED